

WO 03/083113

## SEQUENCE LISTING

&lt;110&gt; The Genetics Company

&lt;120&gt; Growth Regulating Proteins

&lt;130&gt; 06259PC

&lt;160&gt; 5

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 2096

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (76) .. (1950)

&lt;223&gt;

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                                   405                                  410                                  415

Ser Thr Gly Leu Val Pro Ala Ala Asn Asp Glu Phe Ala Asp Phe Ala  
                                   420                                  425                                  430

Ala Phe Gln Gly Ser Thr Thr Ser Thr Ser Ala Leu Asp Gly Asn Leu  
                   435                                  440                                  445

Leu Lys Thr Ala Thr Pro Ala Asn Asp Ser Phe Asp Leu Phe Asn Ser  
                   450                                  455                                  460

Ala Pro Thr Ser Thr Ala Ala Ala Thr Thr Ala Thr Asp Leu Leu Ala  
                   465                                  470                                  475                                  480

Gly Leu Gly Asp Leu Ser Ile His Gln Ser Met Pro Met Asp Asn Met  
                                   485                                  490                                  495

Met Pro Pro Ile Pro Ala Val Thr Gly Asn Asn Leu Leu Gln Pro Met  
                                   500                                  505                                  510

Ser Val Thr Asn Asn Asn Asn Asn Thr Asn Gly Gly Ala Val Pro Ala  
                   515                                  520                                  525

Ala Ala Ser Val Gln Ser Thr Ala Val Gly Ala Thr Trp Ser Gly Asp  
                   530                                  535                                  540

Leu Lys Gly Gly Lys Met Asn Ile Asp Leu Asp Asn Leu Leu Met Ser  
                   545                                  550                                  555                                  560

Lys Ser Gly Lys Pro Ser Ala Pro Ala Pro Ser Met Asn Ala Leu Lys  
                                   565                                  570                                  575

Thr Asn Ser Pro Ala Lys Ala Pro Leu Asn Val Gln Thr Gly Gly Gly  
                   580                                  585                                  590

Phe Pro Gly Leu Ser Pro Met Thr Ser Pro Asn Ile Phe Gly Ala Pro  
                   595                                  600                                  605

Ala Pro Gln Gln Ser Ile Pro Gln Asn Gln Ser Ala Phe Ala Asn Phe  
           610                                  615                                  620

Gly Ala Phe Gln Gln Gln Gln Gln Asn His Ser Asn Asn Asn Asn Asn  
   625                                  630                                  635                                  640

Ser Ser Ser Ala Phe Asp Leu Phe Gln  
                                   645

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 <211> 643  
 <212> PRT  
 <213> Homo sapiens

<400> 5

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Val Val Met Asn Tyr Ser Glu Ile Glu Ser Lys Val Arg Glu Ala Thr  
                                   20                                  25                                  30

Asn Asp Asp Pro Trp Gly Pro Ser Gly Gln Leu Met Gly Glu Ile Ala  
           35                                  40                                  45

Lys Ala Thr Phe Met Tyr Glu Gln Phe Pro Glu Leu Met Asn Met Leu  
   50                                  55                                  60

Trp Ser Arg Met Leu Lys Asp Asn Lys Lys Asn Trp Arg Arg Val Tyr  
   65                                  70                                  75                                  80

Lys Ser Leu Leu Leu Leu Ala Tyr Leu Ile Arg Asn Gly Ser Glu Arg  
                                   85                                  90                                  95

Val Val Thr Ser Ala Arg Glu His Ile Tyr Asp Leu Arg Ser Leu Glu  
                                   100                                  105                                  110

Asn Tyr His Phe Val Asp Glu His Gly Lys Asp Gln Gly Ile Asn Ile  
           115                                  120                                  125

Arg Gln Lys Val Lys Glu Leu Val Glu Phe Ala Gln Asp Asp Asp Arg  
   130                                  135                                  140

Leu Arg Glu Glu Arg Lys Lys Ala Lys Lys Asn Lys Asp Lys Tyr Val  
   145                                  150                                  155                                  160

Gly Val Ser Ser Asp Ser Val Gly Gly Phe Arg Tyr Ser Glu Arg Tyr

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Thr Met Thr Ser Ser Gln Ser Met Asn Phe Ser Met Met Ser Thr Asn  
 435 440 445

Thr Val Gly Leu Gly Leu Pro Met Ser Arg Ser Gln Pro Leu Gln Asn  
 450 455 460

Val Ser Thr Val Leu Gln Lys Pro Asn Pro Leu Tyr Asn Gln Asn Thr  
 465 470 475 480

Asp Met Val Gln Lys Ser Val Ser Lys Thr Leu Pro Ser Thr Trp Ser  
 485 490 495

Asp Pro Ser Val Asn Ile Ser Leu Asp Asn Leu Leu Pro Gly Met Gln  
 500 505 510

Pro Ser Lys Pro Gln Gln Pro Ser Leu Asn Thr Met Ile Gln Gln Gln  
 515 520 525

Asn Met Gln Gln Pro Met Asn Val Met Thr Gln Ser Phe Gly Ala Val  
 530 535 540

Asn Leu Ser Ser Pro Ser Asn Met Leu Pro Val Arg Pro Gln Thr Asn  
 545 550 555 560

Ala Leu Ile Gly Gly Pro Met Pro Met Ser Met Pro Asn Val Met Thr  
 565 570 575

Gly Thr Met Gly Met Ala Pro Leu Gly Asn Thr Pro Met Met Asn Gln  
 580 585 590

Ser Met Met Gly Met Asn Met Asn Ile Gly Met Ser Ala Ala Gly Met  
 595 600 605

Gly Leu Thr Gly Thr Met Gly Met Gly Met Pro Asn Ile Ala Met Thr  
 610 615 620

Ser Gly Thr Val Gln Pro Lys Gln Asp Ala Phe Ala Asn Phe Ala Asn  
 625 630 635 640

Phe Ser Lys